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CLAIMS

1. (Amended) A radio receiving apparatus comprising:  
a first antenna and a second antenna;

a synchronization processing section that despreads  
5 a received signal to obtain a despreading result and  
generates a delay profile based on the despreading result,  
and performs path detection based on the delay profile;  
and

a combining section that combines a plurality of  
10 signals obtained by despreading said received signal in  
accordance with a location of the detected path;

wherein said synchronization processing section:

when the number of simultaneously connected cells  
has reached the simultaneously connectable number,  
15 performs first processing that performs despreading and  
delay profile generation for said cells using a first  
received signal received by said first antenna, and then  
performs path detection of said first received signal;  
and

20 when the number of simultaneously connected cells  
has not reached the simultaneously connectable number,  
performs said first processing and second processing that  
performs despreading and delay profile generation using  
a second received signal received by said second antenna,  
25 and then performs path detection of both said first  
received signal and said second received signal.

2. (Amended) The radio receiving apparatus according

to claim 1, wherein said synchronization processing section, when the number of simultaneously connected cells has not reached the simultaneously connectable number, performs said second processing after performing  
5 said first processing.

3. (Amended) The radio receiving apparatus according to claim 1, wherein said synchronization processing section, when the number of simultaneously connected  
10 cells has not reached the simultaneously connectable number, performs said second processing on an HSDPA signal included in said second received signal.

4. (Amended) The radio receiving apparatus according to claim 1, wherein said synchronization processing  
15 section, when the number of simultaneously connected cells has not reached the simultaneously connectable number, performs said first processing and second processing within a total processing time of the  
20 simultaneously connectable number of cells.

5. (Added) The radio receiving apparatus according to claim 1, wherein said synchronization processing section, when the number of simultaneously connected cells has  
25 not reached the simultaneously connectable number, assigns to fingers the greater number of paths than the number of paths assigned to fingers when the number of simultaneously connected cells has reached the

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simultaneously connectable number.

6. (Added) The radio receiving apparatus according to claim 1, further comprising a gain control section that  
5 performs automatic gain control using a gain value common to both said first received signal and said second received signal.

7. (Added) The radio receiving apparatus according to  
10 claim 6, wherein said gain control section finds said gain value based on the larger reception power of reception power of said first received signal and reception power of said second received signal.

15 8. (Added) A mobile station apparatus equipped with the radio receiving apparatus according to claim 1.